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## We claim:

1. A method of selective data transmission comprising:

transmitting a plurality of data packets wherein at least a portion of the data packets have at least one predetermined identifier;

selecting the data packets having the predetermined identifier;

forwarding the selected data packets to at least one recipient.

- 2. The method of claim 1 wherein the step of transmitting comprises sending the data packets over a local area network to an access point, and wherein the step of forwarding comprises wireless transmission of the identified data packets from the access point to the recipient.
- 3. The method of claim 1 wherein the step of selecting comprises comparing the data packets with a membership table for selecting each predetermined identifier respectively associated with each of the at least one recipients, and discarding data packets not having a predetermined identifier included in the membership table, so as to give priority to identified data packets.
- 4. The method of claim 3 wherein the membership table selects identified data packets that are multicast destination packets each having a multicast destination address under at least one of IEEE 802 and Class D IP protocols.
- 5. The method of claim 3 wherein the membership table is maintained on a wireless access point for forwarding the identified data packets to the at least one recipient.

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- 6. The method of claim 5 comprising the step of transferring membership table information from a first wireless access point to a second wireless access point when the at least one recipient roams between respective access points.
- 7. The method of claim 6 wherein the step of transferring comprises issuing a general query from the at least one recipient to the second wireless access point, for soliciting membership report messages from the second wireless access point.
  - 8. The method of claim 7 wherein the solicited report messages are used to update membership table information on the second wireless access point.
  - 9. The method of claim 7 wherein the solicited report messages are used to update membership table information on associated Ethernet bridges and switches.
  - 10. The method of claim 6 wherein the step of transferring comprises IGMP snooping on associated Ethernet bridges and switches.
  - 11. The method of claim 10 wherein the second wireless access point generates a proxy IGMP membership message to the at least one recipient to update membership table information.
  - 12. The method of claim 3 further comprising a step of maintaining the membership table by periodically receiving a membership report from each of the at least one recipients.

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- 13. The method of claim 12 wherein the step of maintaining the membership table comprises maintaining an entry comprising a plurality of fields for each of the at least one recipients, wherein one of the fields comprises the predetermined identifier.
- 14. The method of claim 13 wherein another of the plurality of fields comprises an age field corresponding to a received time of a received time of a membership report and wherein the entry is discarded when a new membership report is not received within a threshold time period.
  - 15. The method of claim 3 wherein the predetermined identifier is correlated with the source of the data packet.
  - 16. The method of claim 3 wherein the predetermined identifier is correlated with the destination of the data packet.
    - 17. An apparatus for selective data transmission comprising:

means for transmitting a plurality of data packets wherein at least a portion of the data packets have at least one predetermined identifier;

means for selecting the data packets having the predetermined identifier; means for forwarding the selected data packets to at least one recipient.

18. The apparatus of claim 17 wherein the means for transmitting comprises a local area network for sending the data packets to the means for forwarding, and wherein the means

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- for forwarding comprises an access point for wireless transmission of the identified data packets to the recipient.
  - 19. The apparatus of claim 17 wherein the means for selecting comprises means for comparing the data packets with a membership table for selecting each predetermined identifier respectively associated with each of the at least one recipients, and means for discarding data packets not having a predetermined identifier included in the membership table, so as to give priority to identified data packets.
  - 20. The apparatus of claim 19 wherein the membership table selects identified data packets that are multicast packets each having a multicast destination address under at least one of IEEE 802 and Class D IP protocols.
  - 21. The apparatus of claim 19 wherein the membership table is maintained on a wireless access point for forwarding the identified data packets to the at least one recipient.
  - 22. The apparatus of claim 21 comprising the means for transferring membership table information from a first wireless access point to a second wireless access point when the at least one recipient roams between respective access points.
- 23. The apparatus of claim 22 wherein the step of transferring comprises issuing a general query from the at least one recipient to the second wireless access point, for soliciting membership report messages from the second wireless access point.

- 24. The apparatus of claim 23 wherein the solicited report messages are used to update membership table information on the second wireless access point.
- 25. The apparatus of claim 23 wherein the solicited report messages are used to update membership table information on associated Ethernet bridges and switches.

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- 26. The apparatus of claim 22 wherein the means for transferring comprises IGMP snooping on associated Ethernet bridges and switches.
- 27. The method of claim 26 wherein the second wireless access point generates a proxy IGMP membership message to the at least one recipient to update membership table information.
- 28. The apparatus of claim 19 further comprising means for maintaining the membership table with periodically received membership reports from each of the at least one recipients.
- 29. The apparatus of claim 28 wherein the means for maintaining the membership table comprises means for maintaining an entry comprising a plurality of fields for each of the at least one recipients, wherein one of the fields comprises the predetermined identifier.

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30. The apparatus of claim 28 wherein another of the plurality of fields comprises an age field corresponding to a received time of a membership report and wherein the entry is discarded when a new membership report is not received within a threshold time period.

- 31. The apparatus of claim 19 wherein the predetermined identifier is correlated with the source of the data packet.
- 32. The apparatus of claim 19 wherein the predetermined identifier is correlated with the destination of the data packet.